

NEW ENGLAND NOTE

SOME NEW RECORDS FOR ALGAE IN
SOUTHEASTERN MASSACHUSETTS

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Field work in North Dartmouth, MA, on and near the campus of the University of Massachusetts Dartmouth yielded fresh water algae not previously reported for Bristol County, and one new record for Massachusetts. Woelkerling (1973), Prescott (1982), and Prescott et al. (1981, 1982) were used for identification, and distribution records were checked using the New England Algal Data Bank (NEADB, Colt, 1993), in the library of the Marine Biological Laboratory, Woods Hole, MA. Previous collections are listed (in parentheses) by county in Massachusetts as reported in the NEADB. Page references are from a draft manuscript of the NEADB in the possession of the senior author. Length (L), width (W) and isthmus (I) measurements are in microns.

DESMIDIACEAE

1. **Micrasterias tetraptera** W. et G. S. West. L 116, W 102, I 21. Collected in a low field drainage from a wooded area, the latter dominated by Atlantic Coast White Cedar (*Chamaecyparis thyoides* (L.) BSP) and Sphagnum (*Sphagnum* sp.) moss. The site is approximately 125 meters west of Ring Road, and approximately 300 meters north of the Cedar Dell Housing complex driveway on the UMD campus. (New state record. Previously only reported from New Hampshire. NEADB, p. 531.)
2. **Euastrum oblongum** (Grev.) Ralfs. L 124.2, W 54, I 40. In same drainage as No. 1. (Barnstable, Dukes, Hampshire, Nantucket & Worcester Counties, MA. NEADB, p. 362.)
3. **Staurostrum alternans** Breb. L 31, W 28, I 10. In roadside ditch adjacent to same drainage as No. 1. (Barnstable, Hampshire & Worcester Counties, MA. NEADB, p. 829.)
4. **Staurostrum cyrtocerum** (Breb.) Ralfs. L 36, W 34, I 10. In same drainage as No. 1. (Barnstable, Hampshire & Worcester Counties, MA. NEADB, p. 837.)

5. **Staurostrum muricatum** Breb. L 46, W 41, I 18. In same drainage as No. 1. (Hampshire & Worcester Counties, MA. NEADB, p. 850.)
6. **Staurostrum punctulatum** Breb. L 38, W 36, I 13. In same drainage as No. 1. (Barnstable, Dukes, Essex, Hampshire, Plymouth & Worcester Counties, MA. NEADB, p. 855.)
7. **Arthrodesmus extensus** (Ehren.) Ralfs var. **longispinus** (W. et G. S. West) Bicudo. L 18, W 10, I 8. In roadside ditch adjacent to and from the same drainage as No. 1. (Previously reported for MA, with no county named. NEADB, p. 56.)
8. **Euastrum binale** (Turp.) Ralfs var. **gutwinski** (Schm.) Krieger. L 23, W 18, I 5. In same drainage as No. 1. (Barnstable County, MA. NEADB, p. 354.)
9. **Draparnaldia glomerata** (Vauch.) C. A. Agardh. Collected from concrete discharge trough from pond adjacent to entrance to UMD campus. (Middlesex & Worcester Counties, MA. NEADB, p. 319.)
10. **Staurostrum bieneanum** Raben. var. **ellipticum** Wille. L 15, W 30, I 5. Collected from a roadside drainage ditch on the west side of Route 140, approximately 400 meters north of the New Bedford town line, in Freetown, MA. (Hampshire & Worcester Counties, MA. NEADB, p. 833.)
11. **Cosmarium polygonum** (Naeg.) Archer. L. 13, W 13, I 5. In same ditch as No. 10. (Dukes County, and an unnamed site in western (?) MA. NEADB, p. 249.)

ACROCHAETIACEAE

12. **Audouinella purpurea** (Lightf.) Woelkerling. Collected in a brook below the intersection of Drift Road and State Route 88 from submerged sides of the west end of a drainage culvert pipe which passes under Route 88 in Westport approximately ¼ mile north of where Route 88 crosses the East Branch of the Westport River. (Barnstable, Dukes, Essex & Plymouth Counties, MA. NEADB, p 71.)

LITERATURE CITED

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